INTERNATIONAL SEARCH REPORT

International application No.

A OT A GENERAL ATION OF GUIDINGOTO CARTES		PCT/JP2004/012508		
A. CLASSIFICATION OF SUBJECT MATTE Int.Cl ⁷ Cl2N9/04, Cl2N15 Cl2Q1/32, Cl2M1/	5/53, C12N5/10, C12N1/15.	C12N1/19,	C12N1/21,	
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED	<u> </u>			
Minimum documentation searched (classification Int.Cl ⁷ C12N9/04, C12N15 C12Q1/32, C12M1/	5/53, C12N5/10, C12N1/15.	C12N1/19,	C12N1/21,	
Documentation searched other than minimum do	cumentation to the extent that such document	ts are included in th	e fields searched	
Electronic data base consulted during the internal SwissProt/PIR/GeneSeq, G	tional search (name of data base and, where penbank/EMBL/DDBJ/GeneSeq	oracticable, search to	erms used)	
C. DOCUMENTS CONSIDERED TO BE REL	EVANT .		·	
	ith indication, where appropriate, of the relev	ant passages	Relevant to claim No.	
X JP 2001-346587 A 18 December, 200 Full text (Family: none)	(Koji HAYAIDE), D1 (18.12.01),	•	1-11	
03 December, 200 Full text	EP 1367120 A2 (Toyo Boseki Kabushiki Kaisha), 03 December, 2003 (03.12.03), Full text & US 2003/0232418 A1		1-11	
P,X JP 2004-173538 A 24 June, 2004 (2 Full text (Family: none)	(Amano Enzyme Inc.), 4.06.04),		1–11	
			8	
Further documents are listed in the continue	ation of Box C. See patent fam	nily annex.		
Special categories of cited documents: "A" document defining the general state of the art was to be of particular relevance "E" earlier application or patent but published on or a filing date "L" document which may throw doubts on priority of cited to establish the publication date of anoth special reason (as specified) "O" document referring to an oral disclosure, use, exh document published prior to the international filing the priority date claimed	the first field in the the principle or the office of the principle or the the principle	considered novel or cannot be considered to involve an inventive step when the document is taken alone		
Date of the actual completion of the international 18 October, 2004 (18.10.0	1	Date of mailing of the international search report 02 November, 2004 (02.11.04)		
Name and mailing address of the ISA/ Japanese Patent Office Facsimile No.	Authorized officer	Authorized officer Telephone No.		
Form PCT/ISA/210 (second sheet) (January 2004)				

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Box No	. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This int	ernational search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No.	Observations where unity of invention is lacking (Continuation of item 3 of first sheet) emational Searching Authority found multiple inventions in this international application, as follows:
1. 🔀	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
4.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.: No required additional search fees were timely paid by the applicant. Consequently, this international search report is
	on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

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Continuation of Box No.III of continuation of first sheet(2)

The matter common to claims 1, 2 and 5 to 11 and claims 3 and 4 resides in a mutated pyrroloquinoline quinone-dependent glucose dehydrogenase.

As the results of the search, however, it is clarified that this mutated pyrroloquinoline quinone-dependent glucose dehydrogenase is not novel because of having been reported in document JP 11-243949 A (Toyobo Co., Ltd.) 14 September, 1999 (14.09.99).

As a result, the mutated pyrroloquinoline quinone-dependent glucose dehydrogenase falls within the category of prior art and, therefore, this common matter is not a special technical feature in the meaning with the second sentence of PCT Rule 13.2.

Accordingly, there is no matter common to all claims. Since there is no other common matter seemingly being a special technical feature in the meaning with the second sentence of PCT Rule 13.2, no technical relevancy in the meaning within PCT Rule 13 can be found out between these invention groups differing from each other.

Such being the case, it is obvious that claims 1 to 11 do not comply with the requirement of unity of invention.